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## Creating new multifunctional organic-inorganic hybrid materials

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# **Creating New Multifunctional Organic-Inorganic Hybrid Materials**

**Jiquan Wu**



**university of  
 groningen**

**faculty of science  
 and engineering**

**zernike institute for  
 advanced materials**

## **Creating New Multifunctional Organic-Inorganic Hybrid Materials**

Jiquan Wu  
 PhD Thesis  
 University of Groningen

The work presented in this thesis was performed in the group “Surface and Thin Films” (part of the Zernike Institute for Advanced Materials) of the University of Groningen, the Netherlands.

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and in accordance with  
the decision by the college of Deans

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谨以此书献给我深爱的妻子

**Dedicated to my beloved wife**

